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Title: **JP1246204A2: ANTIMICROBIAL FORMED PRODUCTS AND THEIR PRODUCTION**

Derwent Title: Reinforcing structure for filter element, e.g. oil filter for internal combustion engine, has reinforcing unit that extends along pleat of filter medium on internal circumference side [Derwent Record]

Country: JP Japan

Kind: A

Inventor: OTA MASAMI;
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KAWAMOTO MASAO;

Assignee: KURARAY CO LTD

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Published / Filed: 1989-10-02 / 1988-03-25

Application Number: JP1988000072862

IPC Code: A01N 59/20; A61L 2/16; C08K 3/10; C08L 101/00; D01F 8/14;
D01F 8/16; C08J 5/00; C08L 101/00;

Priority Number: 1988-03-25 JP1988000072862

Abstract: PURPOSE: To obtain an antibacterial formed product having high washing durability as well as high antibacterial properties and abrasion resistance, by allowing a mixture of a powder of copper compound of a specific particle size with an organic polysiloxane to disperse in a thermoplastic formed product.

CONSTITUTION: A mixture of a powder of a copper compound which is solid at 25°C and 1 atm., has over 100°C decomposition point, melting point and boiling point, respectively, and particle sizes of less than 5 microns, preferably less than 1 micron on the average, with an organopolysiloxane which has a viscosity of more than 1,000 centistokes, preferably 5,000 centistokes at 25°C is added to a thermoplastic polymer of 200°C or higher melting point, after completion of polymerization to immediately before extrusion, kneaded and extruded through orifices to give the subject formed product in which the organic polysiloxane forms lengthwise extending, island-like independent phases and has paths connecting these islands at random in traverse direction.

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Family: None

Forward References: Go to Result Set: [Forward references \(1\)](#)

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6723428	2004-04-20	Foss; Stephen W.	Foss Manufacturing Co., Inc.	Anti-microbial fiber and fibrous products

Other Abstract Info:

DERABS C89-329454 DERC89-329454



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